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4, 7TH MAIN MALLESWARAM, BANGALORE -3

QC ABSTRACT

NAME OF WORK: Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Block(400*100*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
8	PCC(M15)	Compressive Strength(7days and 28days)	5 set /100-150 cum	107.42	10	10

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9	PCC(M15)	Compressive Strength(7days and 28days)	1 set	536.19	2	2
10	RCC(M25)	Compressive Strength(7days and 28days)	10 sets /300-350 cum	314.47	20	20
11	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	28	6	6
12	RCC(M20)	Compressive Strength(7days and 28days)	1 set	13.12	2	2
13	CERAMIC TILES	MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS	One Test		1	1
		MODULUS OF RUPTURE AND BREAKING STRENGTH	One Test		1	1
14	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
15	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2023-03-18-19 **Date: 21-07-22**
Project Name	:	Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01
Agency	:	Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21
Date of Receipt	:	18-07-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4 4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	19-07-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	1.65	_
2	Finess by Air permeablity method (m^2/kg,Min)	296.7	225m^2/kg, Min
3	Density (gm/cc)	3.12	_
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	295 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

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Authorized Signatory
Quality Manager

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2023-03-18-19 **Date: 16-08-22**
Project Name	:	Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01
Agency	:	Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21
Date of Receipt	:	18-07-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 269 2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	19-07-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength			
Sl.No.	**Physical properties**	**Results**	**Requirement as per IS 269:2015**
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.5N/mm^2	Not less than 37 N/mm^2
3	28 Days	54.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are sattsfactory as per standard requirements.

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2023-03-18-19** **Date: 21-07-22**
Project Name	:	Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01
Agency	:	Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21
Date of Receipt	:	18-07-22
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	18-07-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : **15000** **grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	1173	1173	7.8	92.2	90-100
3	20 mm	5824	6997	46.6	53.4	30-70
4	10 mm	4729	11726	78.2	21.8	10-35
5	4.75 mm	2546	14272	95.1	4.9	0-5
6	Pan	728	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2023-03-18-19** **Date: 20-07-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.6	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.4	
3	Specific Gravity	2.63	_
4	Bulk Density(Loose) (Kg/l)	1.47	_
5	Bulk Density(Compacted) (Kg/l)	1.55	_
6	Water Absorption(%)	0.23	_
7	Aggregate crushing Value(%)	23.6	Max 30% for Aggregates to be used in concrete for wearing Surface. In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface

* The results obtained are satisfactory as per standard requirements.

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Authorized Signature
Quality Manager

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2023-03-18-19 **Date: 20-07-22**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 18-07-22

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 18-07-22

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	47	47	4.7	95.3	90-100	90-100	90-100	95-100
3	2.36 mm	166	213	21.3	78.7	60-95	75-100	85-100	95-100
4	1.18 mm	178	391	39.1	60.9	30-70	55-90	75-100	90-100
5	600 micron	251	642	64.2	35.8	15-34	35-59	60-79	80-100
6	300 micron	208	850	85.0	15.0	5-20	8-30	12-40	15-50
7	150 micron	71	921	92.1	7.9	0-10	0-10	0-10	0-15
8	Pan	79	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST RESULTS OF STEEL

Lab ID : **CP-2023-03-18-19** **Date: 19-07-22**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 18-07-22

Sample Type : Sunvik

Reference to BIS codes : IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.

Date of test: : 18-07-22

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar (mm)	Weight of the sample (kg/m)	Yield stress (N/mm2)	Tensile strength (N/mm2)	Elongation (%)	Bend test	Rebend test
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory
4	Sunvik	Fe500	16	1.581	582	674	19.0%	Satisfactory	Satisfactory
5	Sunvik	Fe500	20	2.476	596	693	19.0%	Satisfactory	Satisfactory
6	Sunvik	Fe500	25	3.472	602	712	18.0%	Satisfactory	Satisfactory
7	Sunvik	Fe500	32	6.312	612	734	18.0%	Satisfactory	Satisfactory

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 30/08/2022

Lab ID	:	CP-2023-03-18-19
Project Name	:	Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01
Agency	:	Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21
Date of Receipt	:	25-08-22
Customer ID	:	PCC above SSM
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M15 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	30/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	23/08/2022	30/08/2022	149.73 X 150.76 X 149.97	22573	8.760	272.4	12.1	12.4
2	PCC above SSM	M15	23/08/2022	30/08/2022	150.09 X 149.42 X 151.19	22426	8.313	287.4	12.8	
3	PCC above SSM	M15	23/08/2022	30/08/2022	150.11 X 149.65 X 151.35	22464	8.273	276.2	12.3	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 20/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 25-08-22

Customer ID : PCC above SSM

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	23/08/2022	20/09/2022	151.51 X 149.19 X 150.93	22603	8.615	402.3	17.8	17.7
2	PCC above SSM	M15	23/08/2022	20/09/2022	151.54 X 151.72 X 150.26	22991	8.229	404.2	17.6	
3	PCC above SSM	M15	23/08/2022	20/09/2022	151.37 X 151.71 X 149.54	22964	8.194	407.3	17.7	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 30/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 25-08-22

Customer ID : PCC above SSM

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	23/08/2022	30/08/2022	151.88 X 149.01 X 151.34	22632	8.571	273.8	12.1	12.4
2	PCC above SSM	M15	23/08/2022	30/08/2022	151.96 X 151.06 X 149.80	22954	8.841	283.7	12.4	
3	PCC above SSM	M15	23/08/2022	30/08/2022	149.98 X 149.31 X 151.97	22395	8.618	283.0	12.6	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 01/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 27-08-22

Customer ID : PCC above SSM

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 01/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	25/08/2022	01/09/2022	149.77 X 150.03 X 151.27	22469	8.386	269.7	12.0	12.6
2	PCC above SSM	M15	25/08/2022	01/09/2022	151.53 X 149.45 X 151.38	22647	8.746	293.7	13.0	
3	PCC above SSM	M15	25/08/2022	01/09/2022	151.80 X 149.79 X 151.34	22738	8.588	289.0	12.7	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 22/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 27-08-22

Customer ID : PCC above SSM

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	25/08/2022	22/09/2022	150.41 X 151.66 X 149.27	22812	8.343	403.3	17.7	17.5
2	PCC above SSM	M15	25/08/2022	22/09/2022	151.10 X 149.85 X 149.06	22642	8.104	396.4	17.5	
3	PCC above SSM	M15	25/08/2022	22/09/2022	151.99 X 150.10 X 149.71	22814	8.716	398.1	17.4	

* The results obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 22/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 27-08-22

Customer ID : PCC above SSM

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 22/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC above SSM	M15	25/08/2022	22/09/2022	149.86 X 149.31 X 151.68	22376	8.907	380.9	17.0	17.2
2	PCC above SSM	M15	25/08/2022	22/09/2022	150.52 X 150.30 X 149.91	22623	8.360	389.1	17.2	
3	PCC above SSM	M15	25/08/2022	22/09/2022	149.75 X 151.62 X 151.31	22704	8.499	391.6	17.2	

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2023-03-18-19** **Date: 09/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 04-08-22

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	02/08/2022	09/08/2022	150.28 X 150.57 X 149.20	22627	8.758	534.2	23.6	23.0
2	Footing Concrete	M25	02/08/2022	09/08/2022	150.72 X 150.68 X 150.68	22710	8.512	522.3	23.0	
3	Footing Concrete	M25	02/08/2022	09/08/2022	150.28 X 149.48 X 149.37	22463	8.965	500.1	22.3	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 30/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 04-08-22

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 30/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	02/08/2022	30/08/2022	150.73 X 151.03 X 151.35	22765	8.470	627.8	27.6	27.7
2	Footing Concrete	M25	02/08/2022	30/08/2022	150.26 X 149.34 X 150.45	22440	8.544	595.1	26.5	
3	Footing Concrete	M25	02/08/2022	30/08/2022	149.57 X 151.92 X 150.07	22723	8.821	656.2	28.9	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 09/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 04-08-22

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	02/08/2022	09/08/2022	149.38 X 150.11 X 150.11	22423	8.965	520.7	23.2	22.7
2	Footing Concrete	M25	02/08/2022	09/08/2022	150.20 X 150.20 X 149.40	22560	8.548	502.2	22.3	
3	Footing Concrete	M25	02/08/2022	09/08/2022	149.36 X 150.47 X 150.20	22475	8.542	506.4	22.5	

* The results obtained are satisfactory as per standard requirements.

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 09/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 04-08-22

Customer ID : Footing Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Footing Concrete	M25	02/08/2022	09/08/2022	151.99 X 151.18 X 150.18	22977	8.907	549.1	23.9	23.1
2	Footing Concrete	M25	02/08/2022	09/08/2022	151.74 X 151.69 X 150.12	23017	8.231	528.2	22.9	
3	Footing Concrete	M25	02/08/2022	09/08/2022	149.76 X 149.79 X 151.60	22433	8.145	506.8	22.6	

* The results obtained are satisfactory as per standard requirements.

A.E.E

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CIVIL Pro BANGALORE Sig..... Date.....

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 12/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 07-09-22

Customer ID : Plinth beam concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth beam concrete	M25	05/09/2022	12/09/2022	149.22 X 151.14 X 150.46	22553	8.286	525.8	23.3	22.8
2	Plinth beam concrete	M25	05/09/2022	12/09/2022	151.59 X 151.72 X 150.09	22999	8.161	510.2	22.2	
3	Plinth beam concrete	M25	05/09/2022	12/09/2022	151.46 X 149.45 X 151.71	22636	8.195	517.9	22.9	

* The results obtained are satisfactory as per standard requirements.

A.E.E

CIVIL Pro Sig..... Date..... BANGALORE

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Quality Manager

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 03/10/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 07-09-22

Customer ID : Plinth beam concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/10/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth beam concrete	M25	05/09/2022	03/10/2022	152.00 X 150.53 X 149.35	22880	8.125	639.4	27.9	27.7
2	Plinth beam concrete	M25	05/09/2022	03/10/2022	151.77 X 151.44 X 151.83	22983	8.529	612.2	26.6	
3	Plinth beam concrete	M25	05/09/2022	03/10/2022	151.03 X 149.27 X 151.33	22545	8.387	643.8	28.6	

* The results obtained are satisfactory as per standard requirements

A.E.E

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 03/10/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 07-09-22

Customer ID : Plinth beam concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/10/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Plinth beam concrete	M25	05/09/2022	03/10/2022	150.29 X 151.28 X 151.66	22735	8.443	615.9	27.1	27.3
2	Plinth beam concrete	M25	05/09/2022	03/10/2022	150.81 X 150.50 X 150.98	22697	8.706	595.4	26.2	
3	Plinth beam concrete	M25	05/09/2022	03/10/2022	151.15 X 151.36 X 150.10	22878	8.226	656.6	28.7	

* The results obtained are satisfactory as per standard requirements.

A.E.E

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 20/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 16-08-22

Customer ID : Column upto plinth beam

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column upto plinth beam	M25	13/08/2022	20/08/2022	151.53 X 151.27 X 151.51	22921	8.695	528.1	23.0	22.7
2	Column upto plinth beam	M25	13/08/2022	20/08/2022	149.34 X 151.65 X 151.02	22647	8.482	516.4	22.8	
3	Column upto plinth beam	M25	13/08/2022	20/08/2022	149.38 X 151.61 X 150.26	22649	8.944	505.7	22.3	

* The results obtained are satisfactory as per standard requirements

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 20/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 16-08-22

Customer ID : Column upto plinth beam

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column upto plinth beam	M25	13/08/2022	20/08/2022	151.37 X 151.08 X 149.62	22870	8.157	539.4	23.6	22.9
2	Column upto plinth beam	M25	13/08/2022	20/08/2022	149.64 X 151.22 X 149.93	22628	8.205	513.5	22.7	
3	Column upto plinth beam	M25	13/08/2022	20/08/2022	150.64 X 151.60 X 149.12	22837	8.734	513.4	22.5	

* The results obtained are satisfactory as per standard requirements.

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Lab ID : CP-2023-03-18-19 **Date: 20/08/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 16-08-22

Customer ID : Column upto plinth beam

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/08/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column upto plinth beam	M25	13/08/2022	20/08/2022	151.89 X 150.20 X 150.87	22813	8.360	541.6	23.7	23.0
2	Column upto plinth beam	M25	13/08/2022	20/08/2022	151.09 X 151.57 X 151.41	22901	8.388	514.3	22.5	
3	Column upto plinth beam	M25	13/08/2022	20/08/2022	150.39 X 151.92 X 151.95	22847	8.212	522.8	22.9	

* The results obtained are satisfactory as per standard requirements.

A.E.E

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 10/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 16-08-22

Customer ID : Column upto plinth beam

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Column upto plinth beam	M25	13/08/2022	10/09/2022	150.87 X 151.69 X 151.77	22886	8.636	621.3	27.1	27.5
2	Column upto plinth beam	M25	13/08/2022	10/09/2022	151.78 X 149.08 X 151.36	22627	8.910	603.1	26.7	
3	Column upto plinth beam	M25	13/08/2022	10/09/2022	149.39 X 149.75 X 149.38	22370	8.158	639.4	28.6	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 30/09/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 24-09-22

Customer ID : GF Column Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 29/09/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Column Concrete	M25	22/09/2022	29/09/2022	149.95 X 150.23 X 149.92	22528	8.651	521.6	23.2	22.5
2	GF Column Concrete	M25	22/09/2022	29/09/2022	149.54 X 150.11 X 150.06	22448	8.699	497.9	22.2	
3	GF Column Concrete	M25	22/09/2022	29/09/2022	150.07 X 151.08 X 151.27	22672	8.799	503.8	22.2	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 20/10/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 15-10-22

Customer ID : GF Lintel Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/10/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Concrete	M25	13/10/2022	20/10/2022	150.40 X 149.16 X 151.33	22433	8.470	524.1	23.4	23.0
2	GF Lintel Concrete	M25	13/10/2022	20/10/2022	149.15 X 151.80 X 149.66	22642	8.794	514.2	22.7	
3	GF Lintel Concrete	M25	13/10/2022	20/10/2022	150.29 X 151.48 X 149.12	22766	8.108	521.1	22.9	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 10/11/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 15-10-22

Customer ID : GF Lintel Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Lintel Concrete	M25	13/10/2022	10/11/2022	151.94 X 151.01 X 149.32	22945	8.747	625.4	27.3	27.5
2	GF Lintel Concrete	M25	13/10/2022	10/11/2022	149.04 X 150.66 X 150.23	22455	8.861	597.9	26.6	
3	GF Lintel Concrete	M25	13/10/2022	10/11/2022	150.58 X 149.58 X 151.55	22524	8.247	647.1	28.7	

* The results obtained are satisfactory as per standard requirements

A.E.E

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2023-03-18-19 **Date: 09/11/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 04-11-22

Customer ID : GF Roof Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M25 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/11/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Roof Concrete	M25	02/11/2022	09/11/2022	150.72 X 151.48 X 150.50	22831	8.301	535.0	23.4	22.5
2	GF Roof Concrete	M25	02/11/2022	09/11/2022	151.09 X 150.78 X 150.52	22782	8.395	503.2	22.1	
3	GF Roof Concrete	M25	02/11/2022	09/11/2022	149.90 X 149.68 X 150.97	22438	8.103	495.2	22.1	

* The results obtained are satisfactory as per standard requirements.

A.E.E

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2023-03-18-19** **Date: 20/10/2022**

Project Name : Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01

Agency : Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Customer's Reference : BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21

Date of Receipt : 15-10-22

Customer ID : GF Chajja Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/10/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	GF Chajja Concrete	M20	13/10/2022	20/10/2022	150.19 X 150.98 X 151.07	22676	8.326	421.5	18.6	18.6
2	GF Chajja Concrete	M20	13/10/2022	20/10/2022	149.80 X 149.68 X 149.55	22421	8.520	418.3	18.7	
3	GF Chajja Concrete	M20	13/10/2022	20/10/2022	151.47 X 149.32 X 151.63	22618	8.552	422.8	18.7	

* The results obtained are satisfactory as per standard requirements.

A.E.E

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TEST REPORT OF CERAMIC TILES

Lab ID	:	CP-2023-03-18-19	**Date: 13-12-22**
Project Name	:	Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala School) at Yelahanka old town in Kempegowda ward no:01	
Agency	:	Sri.B.B. Umesh M/s SMLP Asphalts, NO:1265, Next to Andrabank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064	
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-05/W.O/230/2020-21	
Date of Receipt	:	07-12-22	
Sample Type/ Size	:	Ceramic tiles (300X300)mm	
Reference to BIS codes	:	IS 13630 (part 1) : 2019, IS 15622:2018	
Date of test	:	07-12-22	

MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS

Number Of Specimen	Length measured at position 5mm from the corner		Breadth measured at position 5mm from the corner		Thickness measured at thickest part, 4 diagonal segment			
	1	2	1	2	1	2	3	4
1	300	300	300	300	6.04	6.01	6.08	6.04
2	300	300	300	300	6.01	6.07	6.01	6.01
3	300	300	300	300	6.03	6.05	6.06	6.03
4	300	300	300	300	6.06	6.05	6.08	6.06
5	300	300	300	300	6.08	6.06	6.05	6.08
6	300	300	300	300	6.03	6.07	6.07	6.07
7	300	300	300	300	6.08	6.05	6.08	6.07
8	300	300	300	300	6.02	6.05	6.04	6.05
9	300	300	300	300	6.04	6.04	6.02	6.04
10	300	300	300	300	6.04	6.01	6.05	6.04
Average	**300**		**300**		**6.05**			

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